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2529

#4

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RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/044,844

TIME: 12:59:15

Input Set : A:\EP.txt

Output Set: N:\CRF3\06032002\J044844.raw

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:  
 5 (i) APPLICANT: Victoria, Edward J.  
 6 Marquis, David M.  
 7 Jones, David S.  
 8 Yu, Lin  
 10 (ii) TITLE OF INVENTION: aPL IMMUNOREACTIVE PEPTIDES, CONJUGATES THEREOF AND  
 11 METHODS OF TREATMENT FOR aPL ANTIBODY-MEDIATED  
 PATHOLOGIES  
 13 (iii) NUMBER OF SEQUENCES: 226  
 15 (iv) CORRESPONDENCE ADDRESS:  
 16 (A) ADDRESSEE: MORRISON & FOERSTER LLP  
 17 (B) STREET: 755 PAGE MILL ROAD  
 18 (C) CITY: PALO ALTO  
 19 (D) STATE: CA  
 20 (E) COUNTRY: USA  
 21 (F) ZIP: 94304-1018  
 23 (v) COMPUTER READABLE FORM:  
 24 (A) MEDIUM TYPE: Floppy disk  
 25 (B) COMPUTER: IBM PC compatible  
 26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
 27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
 29 (vi) CURRENT APPLICATION DATA:  
 C--> 30 (A) APPLICATION NUMBER: US/10/044,844  
 C--> 31 (B) FILING DATE: 10-Jan-2002  
 32 (C) CLASSIFICATION:  
 34 (viii) ATTORNEY/AGENT INFORMATION:  
 35 (A) NAME: CATHERINE M. POLIZZI  
 36 (B) REGISTRATION NUMBER: 40,130  
 37 (C) REFERENCE/DOCKET NUMBER: 25231-20061.03  
 39 (ix) TELECOMMUNICATION INFORMATION:  
 40 (A) TELEPHONE: (650) 813-5600  
 41 (B) TELEFAX: (650) 494-0792  
 42 (C) TELEX: 706141  
 44 (2) INFORMATION FOR SEQ ID NO: 1:  
 46 (i) SEQUENCE CHARACTERISTICS:  
 47 (A) LENGTH: 12 amino acids  
 48 (B) TYPE: amino acid  
 49 (C) STRANDEDNESS: single  
 50 (D) TOPOLOGY: linear  
 52 (ii) MOLECULE TYPE: peptide  
 54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 56 Pro Cys Leu Leu Leu Ala Pro Asp Arg Cys Pro Gly  
 57 1 5 10

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## 59 (2) INFORMATION FOR SEQ ID NO: 2:

## 61 (i) SEQUENCE CHARACTERISTICS:

62 (A) LENGTH: 13 amino acids

63 (B) TYPE: amino acid

64 (C) STRANDEDNESS: single

65 (D) TOPOLOGY: linear

## 67 (ii) MOLECULE TYPE: peptide

## 69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

71 Gly Pro Cys Leu Leu Ala Pro Asp Arg Cys Pro Gly

72 1 5 10

## 74 (2) INFORMATION FOR SEQ ID NO: 3:

## 76 (i) SEQUENCE CHARACTERISTICS:

77 (A) LENGTH: 14 amino acids

78 (B) TYPE: amino acid

79 (C) STRANDEDNESS: single

80 (D) TOPOLOGY: linear

## 82 (ii) MOLECULE TYPE: peptide

## 84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

86 Ala Gly Pro Cys Leu Leu Leu Ala Pro Asp Arg Cys Pro Gly

87 1 5 10

## 89 (2) INFORMATION FOR SEQ ID NO: 4:

## 91 (i) SEQUENCE CHARACTERISTICS:

92 (A) LENGTH: 14 amino acids

93 (B) TYPE: amino acid

94 (C) STRANDEDNESS: single

95 (D) TOPOLOGY: linear

## 97 (ii) MOLECULE TYPE: peptide

## 99 (ix) FEATURE:

100 (A) NAME/KEY: Modified-site

101 (B) LOCATION: 3

102 (D) OTHER INFORMATION: /product= "OTHER"

103 /label= MeP; /note= "alpha-methyl proline."

## 105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

W--&gt; 107 Ala Gly Xaa Cys Leu Leu Leu Ala Pro Asp Arg Cys Pro Gly

108 1 5 10

## 110 (2) INFORMATION FOR SEQ ID NO: 5:

## 112 (i) SEQUENCE CHARACTERISTICS:

113 (A) LENGTH: 14 amino acids

114 (B) TYPE: amino acid

115 (C) STRANDEDNESS: single

116 (D) TOPOLOGY: linear

## 118 (ii) MOLECULE TYPE: peptide

## 120 (ix) FEATURE:

121 (A) NAME/KEY: Modified-site

122 (B) LOCATION: 9

123 (D) OTHER INFORMATION: /product= "OTHER"

124 /label= MeP

125 /note= "alpha-methyl proline"

## 127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

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```

W--> 129      Ala Gly Pro Cys Leu Leu Leu Ala Xaa Asp Arg Cys Pro Gly
130          1          5          10
132 (2) INFORMATION FOR SEQ ID NO: 6:
134      (i) SEQUENCE CHARACTERISTICS:
135          (A) LENGTH: 14 amino acids
136          (B) TYPE: amino acid
137          (C) STRANDEDNESS: single
138          (D) TOPOLOGY: linear
140      (ii) MOLECULE TYPE: peptide
142      (ix) FEATURE:
143          (A) NAME/KEY: Modified-site
144          (B) LOCATION: group(3, 9)
145          (D) OTHER INFORMATION: /product= "OTHER"
146 /label= MeP
147 /note= "alpha-methyl proline"
149      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 151      Ala Gly Xaa Cys Leu Leu Leu Ala Xaa Asp Arg Cys Pro Gly
152          1          5          10
154 (2) INFORMATION FOR SEQ ID NO: 7:
156      (i) SEQUENCE CHARACTERISTICS:
157          (A) LENGTH: 14 amino acids
158          (B) TYPE: amino acid
159          (C) STRANDEDNESS: single
160          (D) TOPOLOGY: linear
162      (ii) MOLECULE TYPE: peptide
164      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
166      Ala Gly Pro Cys Leu Leu Leu Ala Pro Asp Arg Cys Pro Gly
167          1          5          10
169 (2) INFORMATION FOR SEQ ID NO: 8:
171      (i) SEQUENCE CHARACTERISTICS:
172          (A) LENGTH: 4 amino acids
173          (B) TYPE: amino acid
174          (C) STRANDEDNESS: single
175          (D) TOPOLOGY: linear
177      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
179      Gly Ser Gly Ser
180          1
182 (2) INFORMATION FOR SEQ ID NO: 9:
184      (i) SEQUENCE CHARACTERISTICS:
185          (A) LENGTH: 9 amino acids
186          (B) TYPE: amino acid
187          (C) STRANDEDNESS: single
188          (D) TOPOLOGY: linear
190      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
192      Cys Leu Leu Leu Ala Pro Asp Arg Cys
193          1          5
195 (2) INFORMATION FOR SEQ ID NO: 10:
197      (i) SEQUENCE CHARACTERISTICS:
198          (A) LENGTH: 9 amino acids

```

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199 (B) TYPE: amino acid  
200 (C) STRANDEDNESS: single  
201 (D) TOPOLOGY: linear  
203 (vii) IMMEDIATE SOURCE:  
204 (A) LIBRARY: xy  
205 (B) CLONE: 2101  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
209 Cys Asn Ile Leu Val Leu Asp Arg Cys  
210 1 5  
212 (2) INFORMATION FOR SEQ ID NO: 11:  
214 (i) SEQUENCE CHARACTERISTICS:  
215 (A) LENGTH: 9 amino acids  
216 (B) TYPE: amino acid  
217 (C) STRANDEDNESS: single  
218 (D) TOPOLOGY: linear  
220 (vii) IMMEDIATE SOURCE:  
221 (A) LIBRARY: xyz  
222 (B) CLONE: 5A12  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
226 Cys Leu Ile Leu Ala Pro Asp Arg Cys  
227 1 5  
229 (2) INFORMATION FOR SEQ ID NO: 12:  
231 (i) SEQUENCE CHARACTERISTICS:  
232 (A) LENGTH: 9 amino acids  
233 (B) TYPE: amino acid  
234 (C) STRANDEDNESS: single  
235 (D) TOPOLOGY: linear  
237 (vii) IMMEDIATE SOURCE:  
238 (A) LIBRARY: xyz  
239 (B) CLONE: 2D7  
241 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
243 Cys Leu Leu Leu Ala Pro Asp Arg Cys  
244 1 5  
246 (2) INFORMATION FOR SEQ ID NO: 13:  
248 (i) SEQUENCE CHARACTERISTICS:  
249 (A) LENGTH: 9 amino acids  
250 (B) TYPE: amino acid  
251 (C) STRANDEDNESS: single  
252 (D) TOPOLOGY: linear  
254 (vii) IMMEDIATE SOURCE:  
255 (A) LIBRARY: xyz  
256 (B) CLONE: 3B6  
258 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
260 Cys Leu Val Leu Ala Leu Asp Arg Cys  
261 1 5  
263 (2) INFORMATION FOR SEQ ID NO: 14:  
265 (i) SEQUENCE CHARACTERISTICS:  
266 (A) LENGTH: 9 amino acids  
267 (B) TYPE: amino acid

RAW SEQUENCE LISTING  
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Input Set : A:\EP.txt  
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268 (C) STRANDEDNESS: single  
269 (D) TOPOLOGY: linear  
271 (vii) IMMEDIATE SOURCE:  
272 (A) LIBRARY: xyz  
273 (B) CLONE: 3E4  
275 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
277 Cys Leu Phe Val Ala Leu Asp Arg Cys  
278 1 5  
280 (2) INFORMATION FOR SEQ ID NO: 15:  
282 (i) SEQUENCE CHARACTERISTICS:  
283 (A) LENGTH: 9 amino acids  
284 (B) TYPE: amino acid  
285 (C) STRANDEDNESS: single  
286 (D) TOPOLOGY: linear  
288 (vii) IMMEDIATE SOURCE:  
289 (A) LIBRARY: xyz  
290 (B) CLONE: 3E7  
292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
294 Cys Ile Leu Leu Ala His Asp Arg Cys  
295 1 5  
297 (2) INFORMATION FOR SEQ ID NO: 16:  
299 (i) SEQUENCE CHARACTERISTICS:  
300 (A) LENGTH: 9 amino acids  
301 (B) TYPE: amino acid  
302 (C) STRANDEDNESS: single  
303 (D) TOPOLOGY: linear  
305 (vii) IMMEDIATE SOURCE:  
306 (A) LIBRARY: xyz  
307 (B) CLONE: 2H1  
309 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
311 Cys Ile Ile Leu Ala Pro Gly Arg Cys  
312 1 5  
314 (2) INFORMATION FOR SEQ ID NO: 17:  
316 (i) SEQUENCE CHARACTERISTICS:  
317 (A) LENGTH: 9 amino acids  
318 (B) TYPE: amino acid  
319 (C) STRANDEDNESS: single  
320 (D) TOPOLOGY: linear  
322 (vii) IMMEDIATE SOURCE:  
323 (A) LIBRARY: xyz  
324 (B) CLONE: 3C10  
326 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
328 Cys Ile Leu Leu Ala Lys Asn Arg Cys  
329 1 5  
331 (2) INFORMATION FOR SEQ ID NO: 18:  
333 (i) SEQUENCE CHARACTERISTICS:  
334 (A) LENGTH: 9 amino acids  
335 (B) TYPE: amino acid  
336 (C) STRANDEDNESS: single

## VERIFICATION SUMMARY

DATE: 06/03/2002

PATENT APPLICATION: US/10/044,844

TIME: 12:59:16

Input Set : A:\EP.txt

Output Set: N:\CRF3\06032002\J044844.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0  
L:1165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0  
L:1187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0  
L:1434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0  
L:1456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0  
L:1478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0  
L:1500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0  
L:1567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0  
L:1589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0  
L:1611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0  
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0  
L:1702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0  
L:1724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0  
L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:0  
L:1768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:0  
L:1835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0  
L:1857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0  
L:1879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:0  
L:1901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0  
L:1938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0  
L:1960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0  
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0  
L:2019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:0  
L:2041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0  
L:2063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0  
L:2085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0  
L:2107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0  
L:2234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:0  
L:2256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:0  
L:2278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0  
L:2300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0  
L:2322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0  
L:2344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:0  
L:2366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0  
L:2386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0  
L:2406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:0  
L:2426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0  
L:2446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:0  
L:2466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:0  
L:2486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0  
L:2506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0  
L:2541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0  
L:2563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0

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L:2585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:0  
L:2607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0  
L:2629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0  
L:2651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0